

7GN125123U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 2 POLES 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

Product designation			Rotary cam
Product type designation			switches 7GN125
General characteristics			1011120
Switching diagram			123 - Multi-step 0-1-2 2 poles
N° of elements			2
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	A	125
	UL/CSA	A	130
Rated operational voltage		<u>V</u>	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)	401-4	٨	405
	10kA 15kA	A A	125 100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current Icw	00141		100
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	125
AC15			
	110V	А	40
	220/230V	А	28
	380/400V	А	15
	660/690V	A	5
Rated operational power in AC			
Three-phase AC-3	000/0001/		10 5
	220/230V 380/440V	kW kW	18.5
	500/690V	kW	37 33
Single-phase AC-3	300/090 v	K V V	55
olingie-prizze AC-0	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
		-	
Three-phase AC23A			
Three-phase AC23A	220/230V	kW	30
Three-phase AC23A	220/230V 380/440V	kW kW	30 45
Three-phase AC23A			
Three-phase AC23A Single-phase AC23A	380/440V	kW	45
	380/440V	kW	45

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ENERGY AND AUTOMATION

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		380/440V	kW	15
Rated operational cu	irrent in DC			
	DC21A			
		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)	241	•	
		24V	A	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V 220V	A	50 (3) 20 (4)
	D042	2200	A	20 (4)
	DC13	241/	٨	105
		24V 48V	A	125
			A	100
		60V	A	50
Dowor dissingtion		110V	A	4
Power dissipation Mechanical features			W	6.3
Terminals screw				M2X5
	torminala may		Nm	2
Tightening torque for Conductor size			INITI	2
Conductor size	AWC Bigid apple			
	AWG - Rigid cable	min	AWG	14
			AWG	
	AWG - Flexible cable	Max	AWG	1/0
	AWG - Flexible cable	min		1 /
		min	AWG	14
	Conductor size (IEC) Elevible coble	Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	min	ma ma 2	0 F
		min	mm²	2.5
	Conductor size (IEC) Disid cable	Max	mm²	50
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	2.5
Machanicallife		Max	mm²	50
Mechanical life UL technical data			cycles	1X10 ⁶
Motor power for dire	et en line control			
	for three-phase motor			
	101 11166-1110101	120V	HP	15
		120V 240V	нР НР	25
		240V 480V	HP	25 50
		480V 600V	нР НР	40
	for single-phase motor	0007	ΠΓ	+v
	for single-phase motor	120V	HP	5
		120V 240V	HP	5 15
Ambient conditions		240 V	1.11.	
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature	тах	0	
		min	°C	-40
		max	°C	+70
		max	5	

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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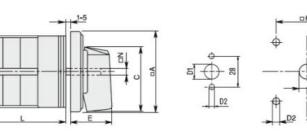
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Resistance & Protection

Frontal IP degree

Terminals IP degree

Dimensions



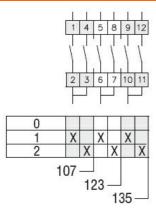
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

IP40

IP00

Series	Dimensions						L Number of elements														
Series	ΠA	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



Certifications and compliance

Compliance

Compliance		
	CSA C22.2 n° 14	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	EAC	
	UL	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch, complete

complete

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